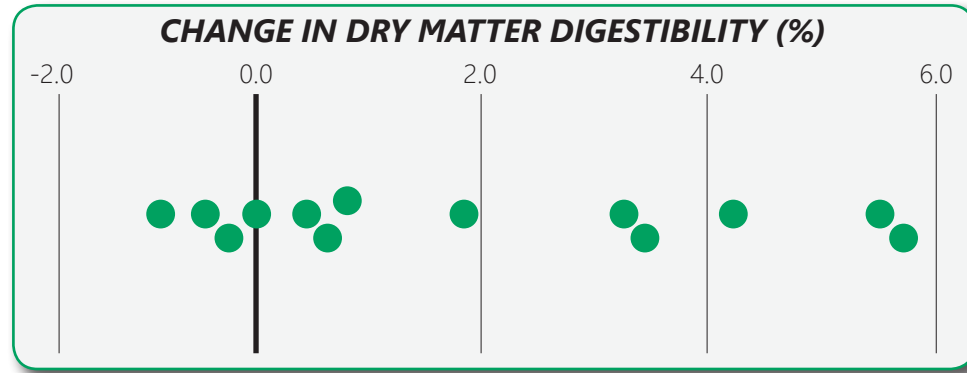


## RUMINATE ON THIS

During the same trial, TMR samples from participating farms were analyzed for 24-hour dry matter digestibility (DMD) with and without the addition of new Zy-Mend®. As a result, 10 out of 13 samples responded positively to new Zy-Mend® with an average response of +1.9% DMD.



Additionally, fecal starch was analyzed in manure from several participating farms, with several seeing significant decreases in fecal starch levels with the inclusion of new Zy-Mend®.

	Pre-Trial	ZY-MEND	Difference
CN #53198	4.92	4.00	-18.7%
CN #17260	4.78	2.30	-51.9%
CN #7599	1.30	0.60	-53.8%
CN #50779	1.55	<0.10	-93.5%

\*Fecal starch is measured in percent of total dry matter.



# GET SERIOUS ABOUT FEED EFFICIENCY

# ZY-MEND®



# ZY-MEND®

A mixture of Agri-King's proprietary enzyme technology and direct-fed microbials designed to enhance nutrient uptake and starch digestion

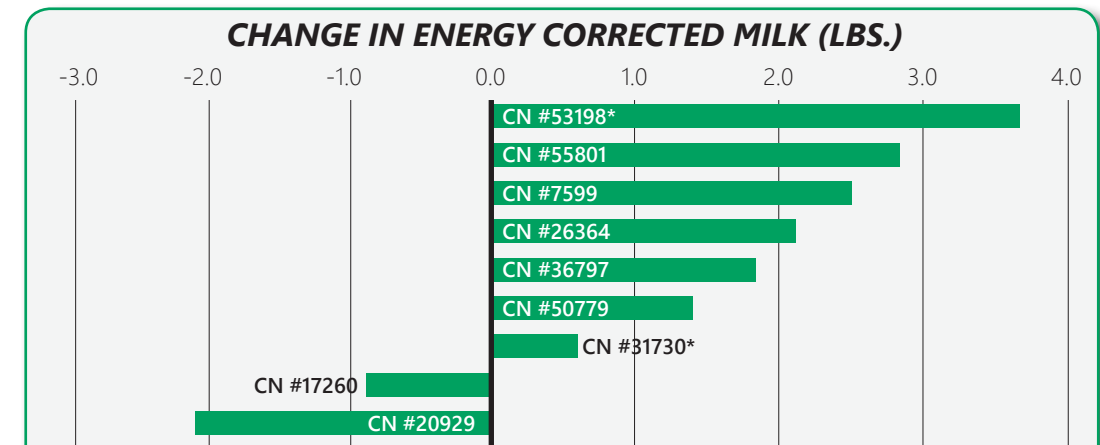
FEATURES	BENEFITS
Proprietary enzyme technology	Targeted improvement of starch and fiber digestion to enhance carbohydrate availability
Direct-fed microbials	Promote rumen balance
COGU II technology	Aids in nutrient availability through proprietary technology

## RESULTS

- Better feed efficiency
- Greater concentration and more optimal profile of volatile fatty acids in the rumen
  - Elevated enzyme activity in the rumen
- More efficient utilization of grain and forage products

## BETTER EFFICIENCY, BETTER PRODUCTION

In a pilot study covering nine farms and 10,175 cows, herds supplemented with new Zy-Mend® for approximately 30 days saw an average response of +1.29 lbs. energy corrected milk yield, in addition to lower somatic cell counts and improvements in feed efficiency. Prior to the trial, seven of the nine farms had been using the previous formulation of Zy-Mend®.



\*Zy-Mend® not included in ration prior to trial

### DOCUMENTED RATION CHANGES WITH ZY-MEND®

- CN #53198: Herd went from well-ground corn to poorly-ground corn.
- CN #7599: Farm removed one-half pound of corn from ration in response to Zy-Mend®.
- CN #36797: Farm removed one pound of corn from ration in response to Zy-Mend®.
- CN #17260: Farm replaced candy meal with molasses.
- CN #20929: Herd went through winter dysentery.

No ration changes were documented at 55801, 26364, 31730, and 50779

### AVERAGE HERD RESPONSE TO ZY-MEND®

Fluid Milk (lbs.)	Butterfat (%)	Protein (%)
<b>+1.3 lbs.</b>	<b>-0.06%</b>	<b>-0.03%</b>
SCC (x1000)	DMI (lbs.)	ECM:Feed
<b>-3.08</b>	<b>+0.10 lbs.</b>	<b>+0.02</b>

**“CAPTURING THE NUTRITIONAL VALUE IN FEEDS IS THE KEY TO PROFIT.”**